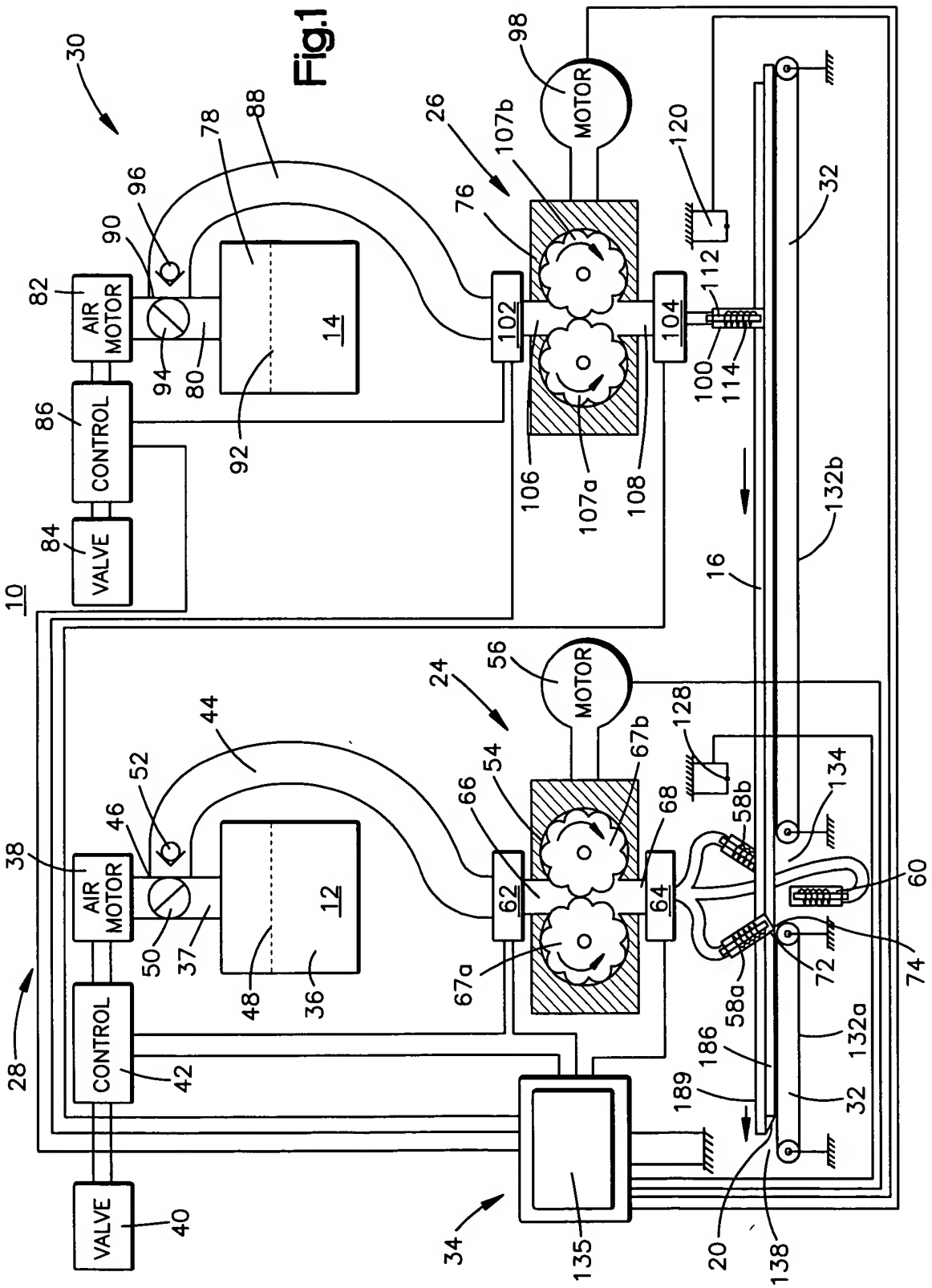
OIPE JC73
JUL 0 2 2004
PATENT & TRADEMARK OFFICE

Fig.1



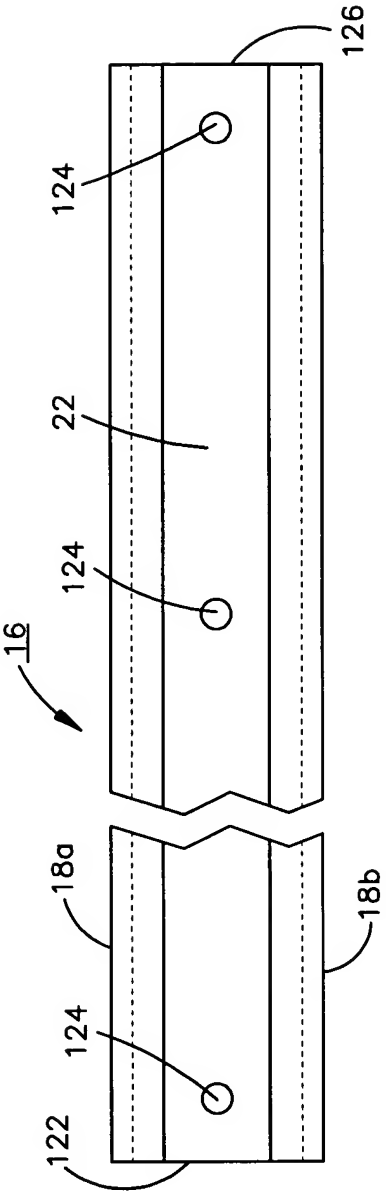


Fig.3

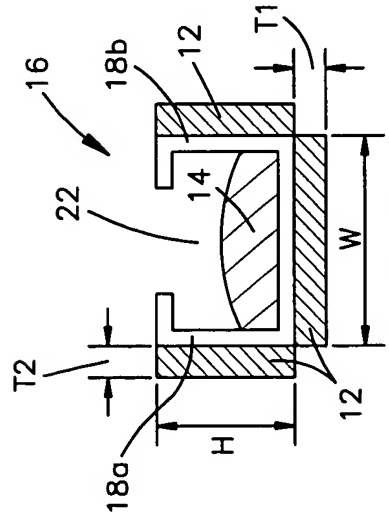


Fig.2

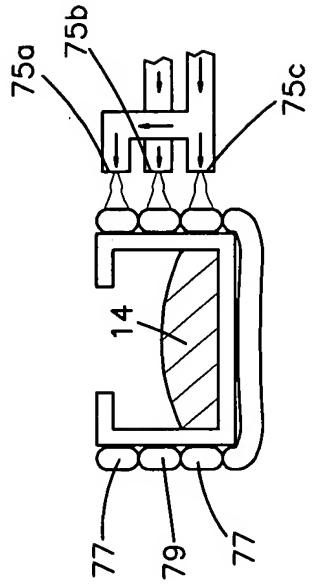


Fig.2B

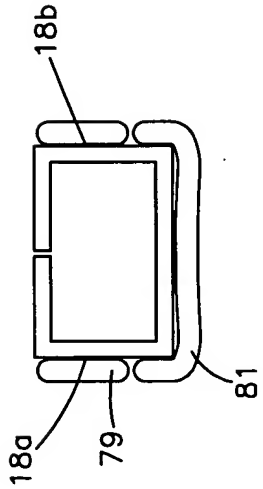
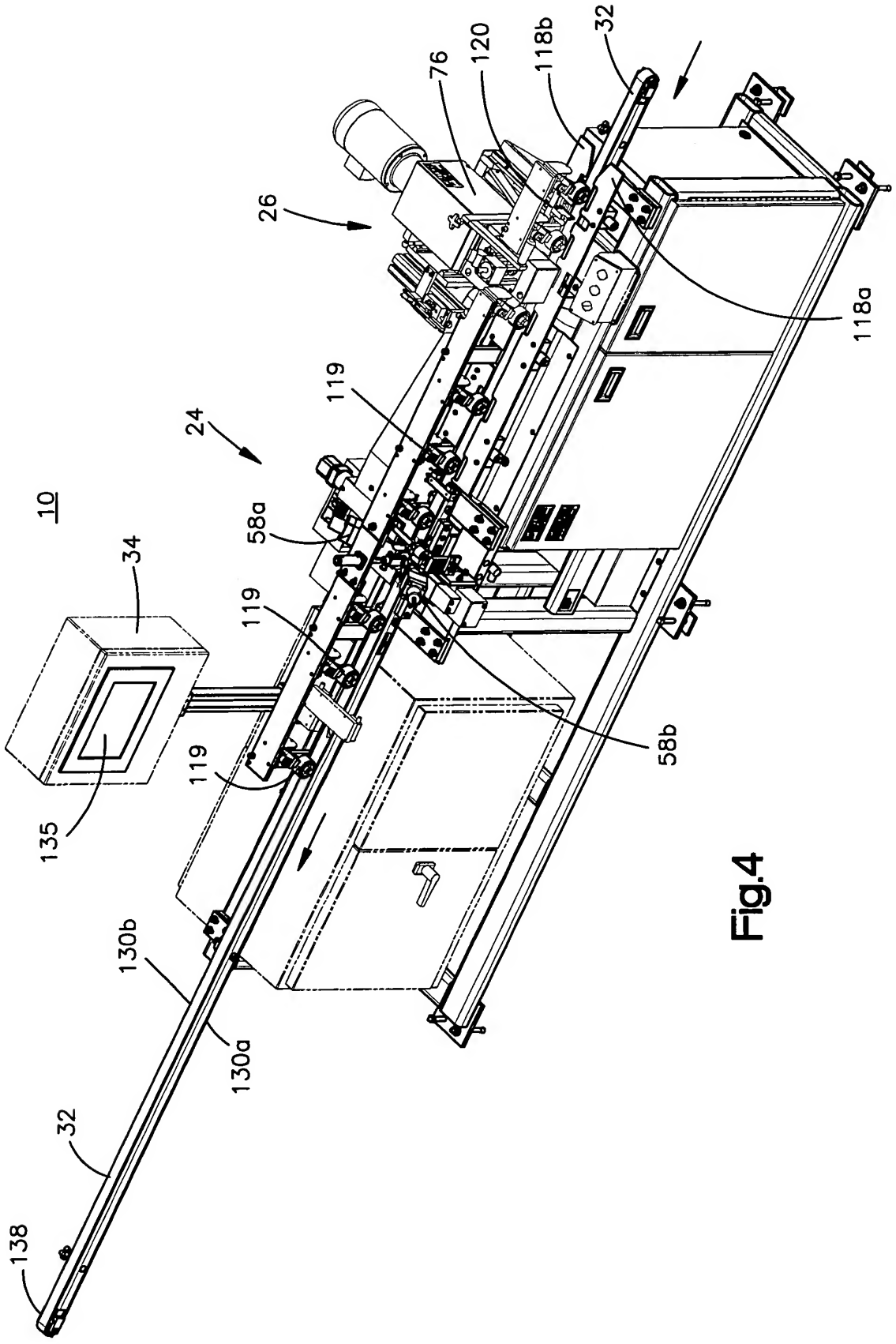


Fig.2A



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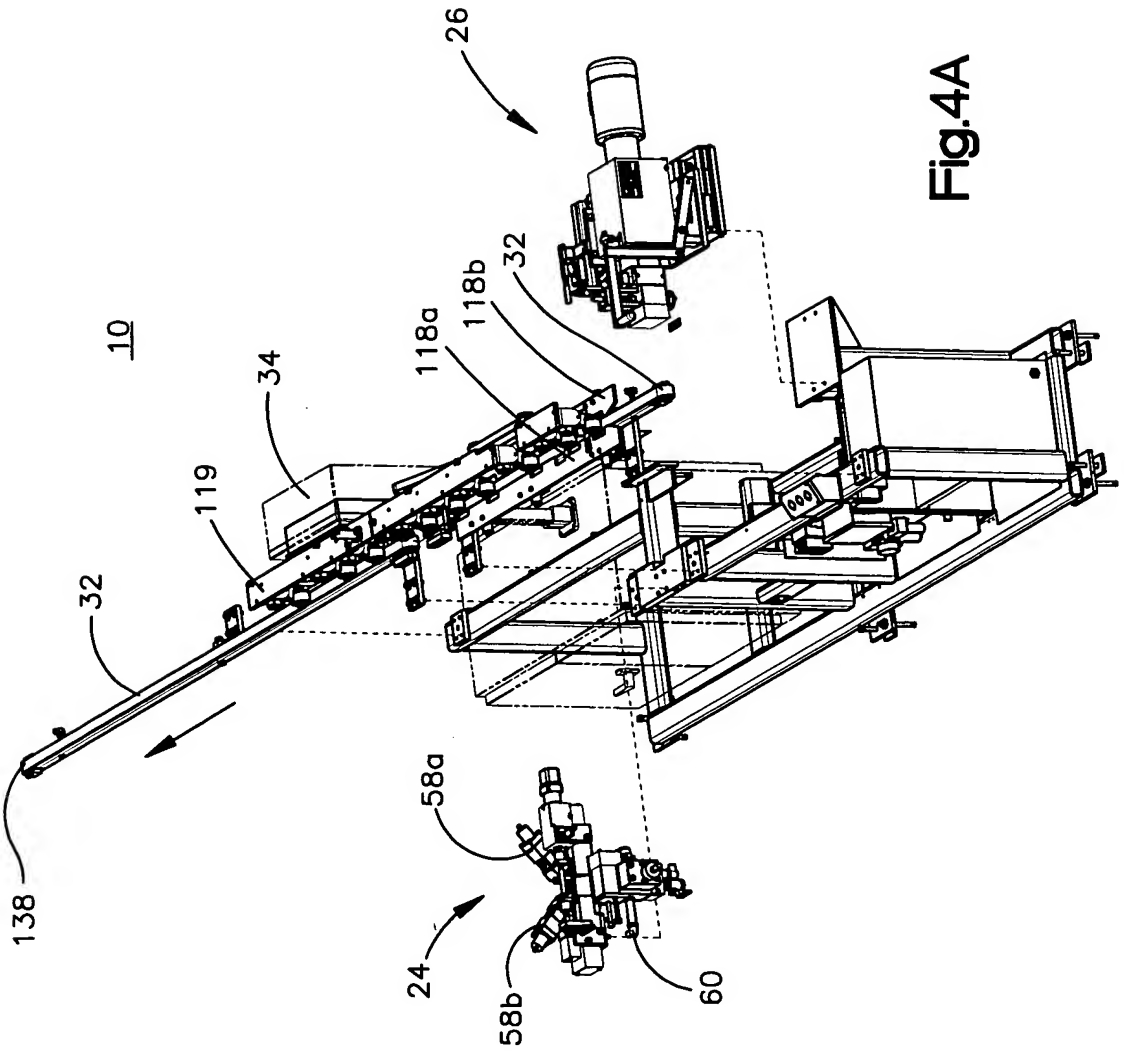


Fig.4A

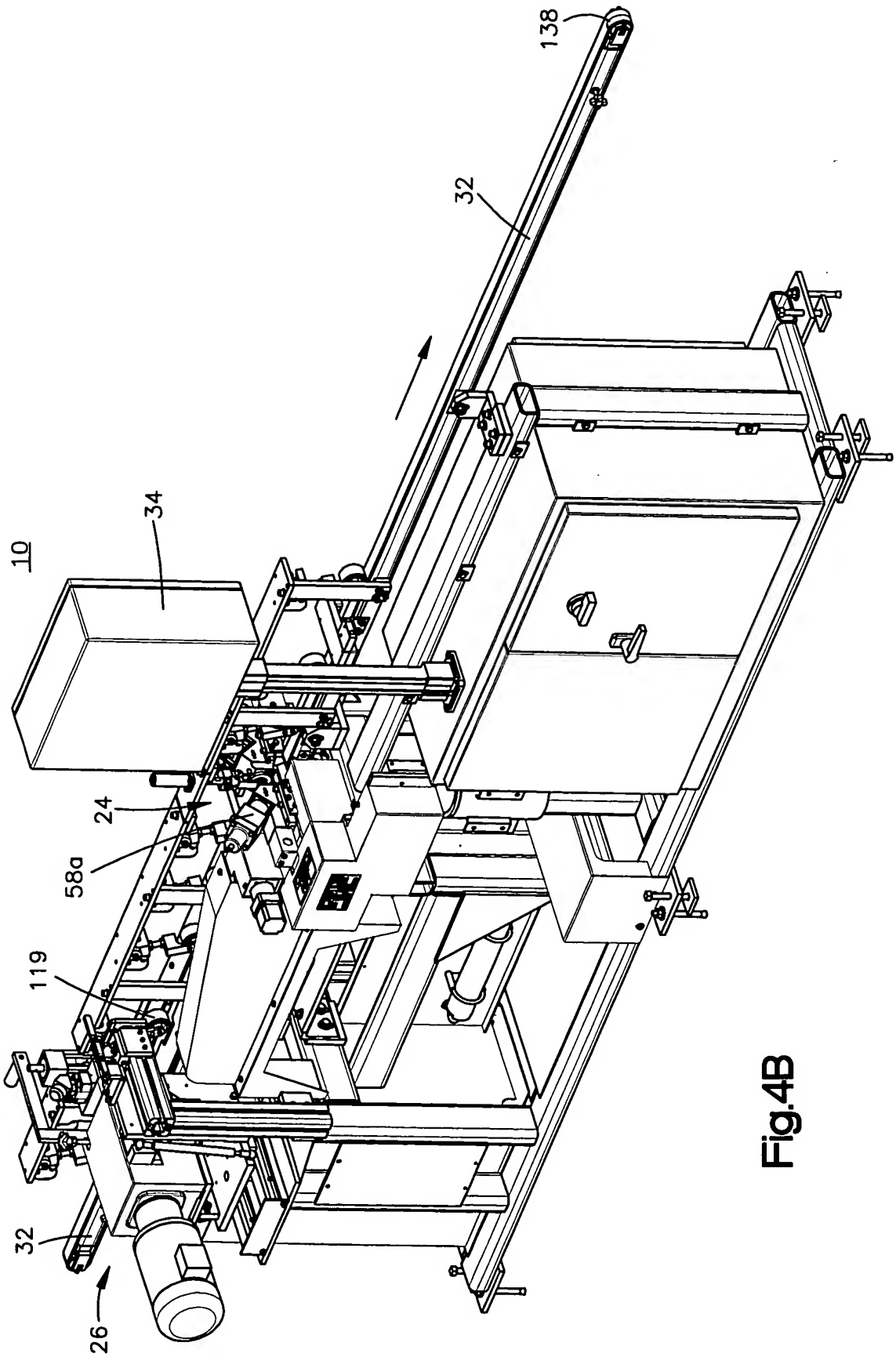


Fig.4B

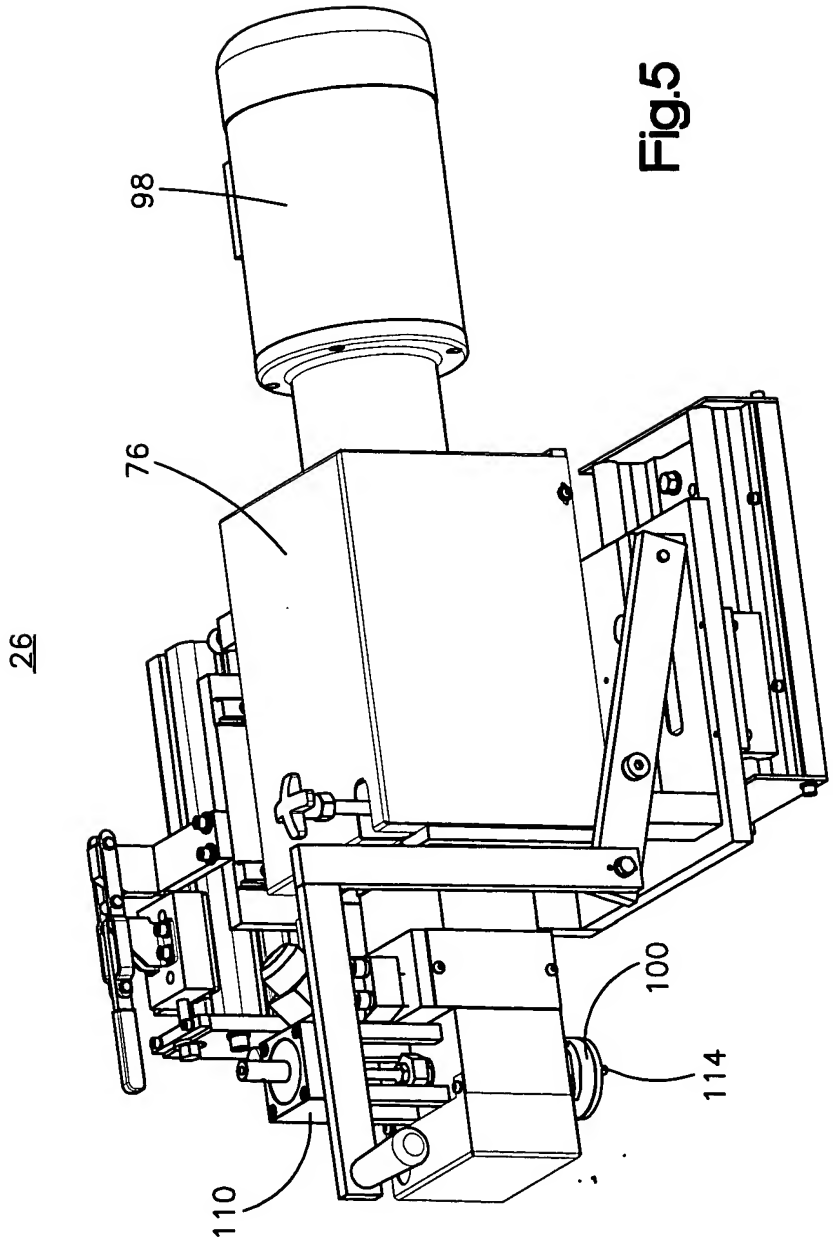


Fig.5

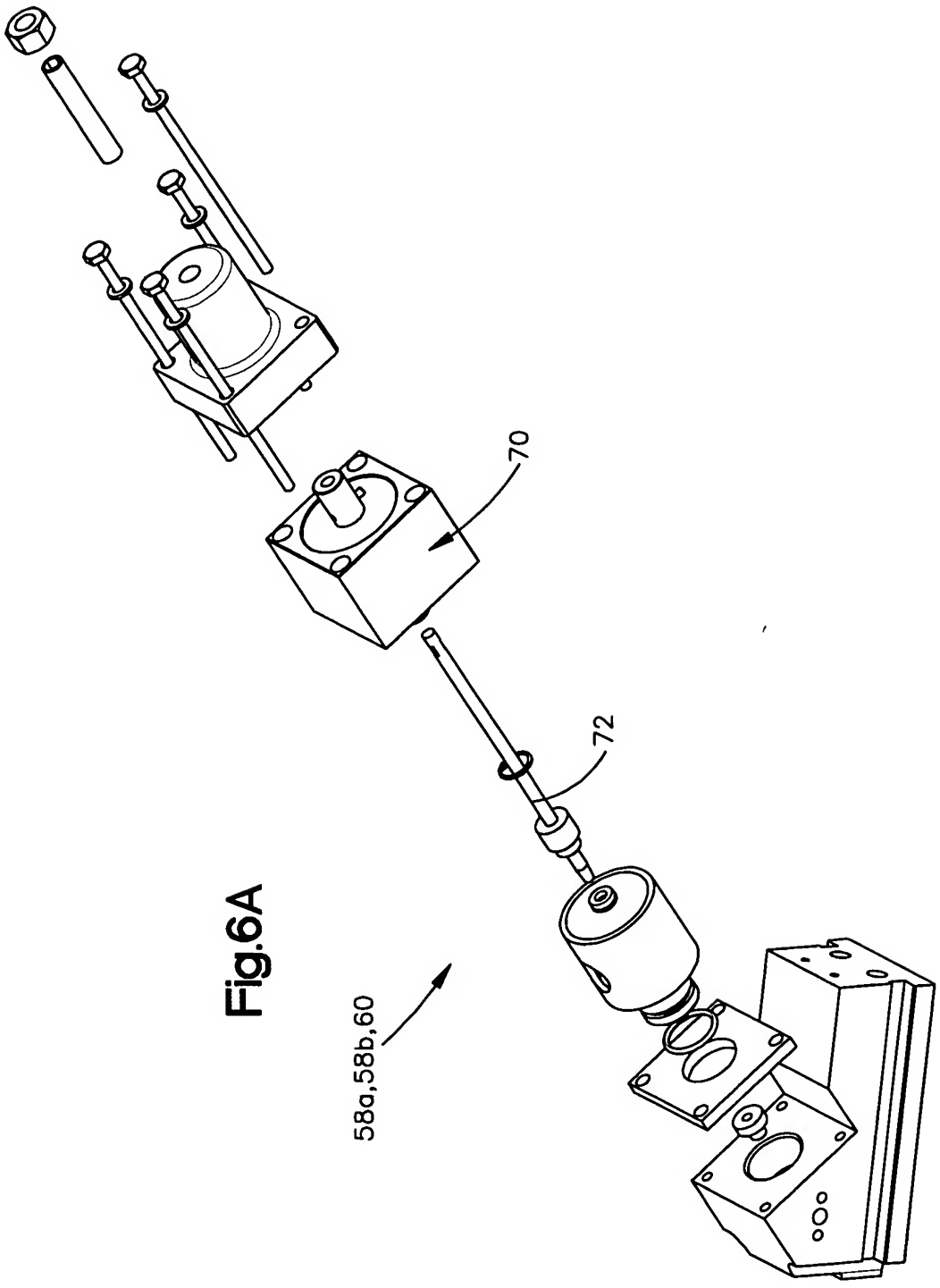


Fig.6A

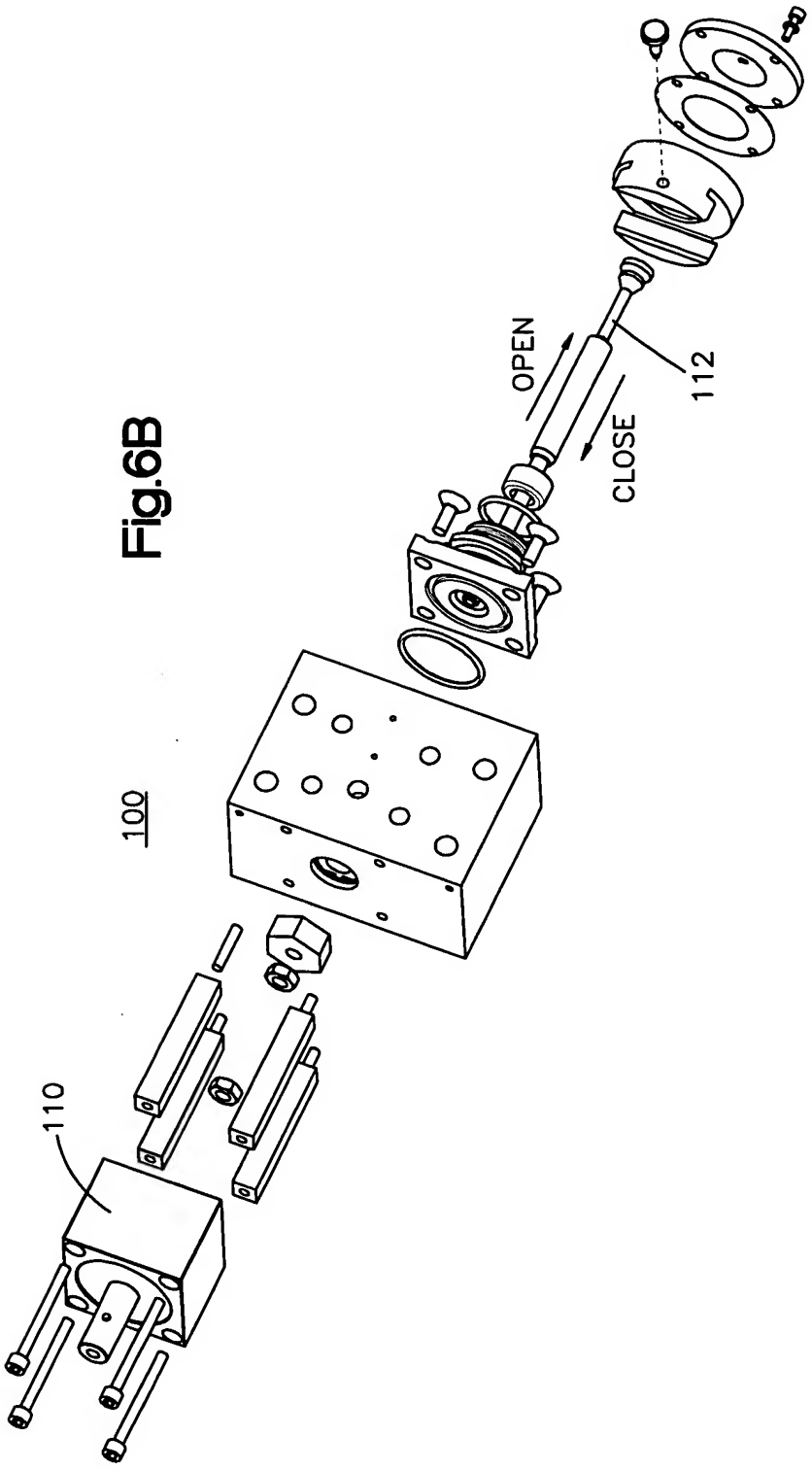


Fig.6B

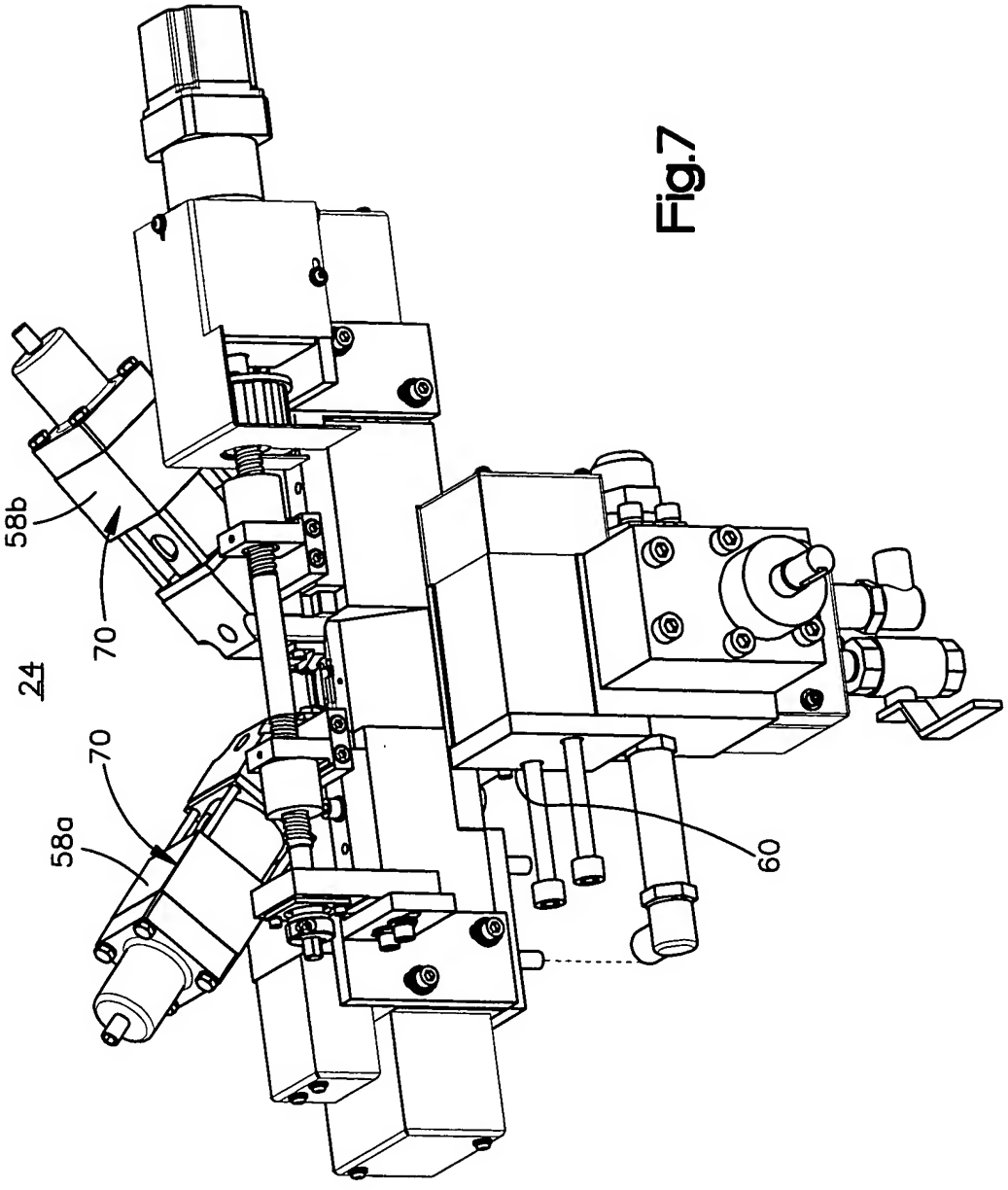
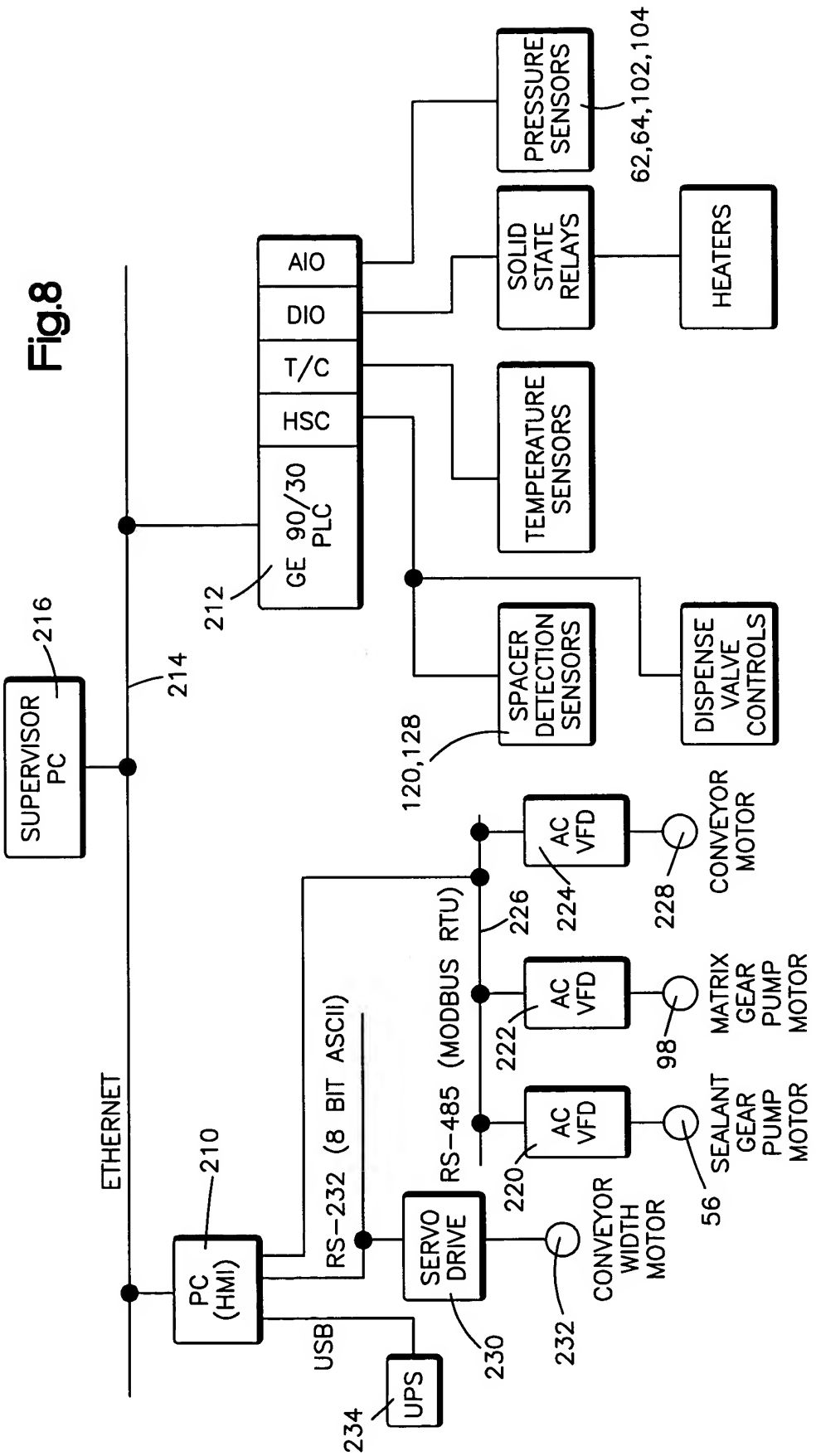


Fig.7

Fig.8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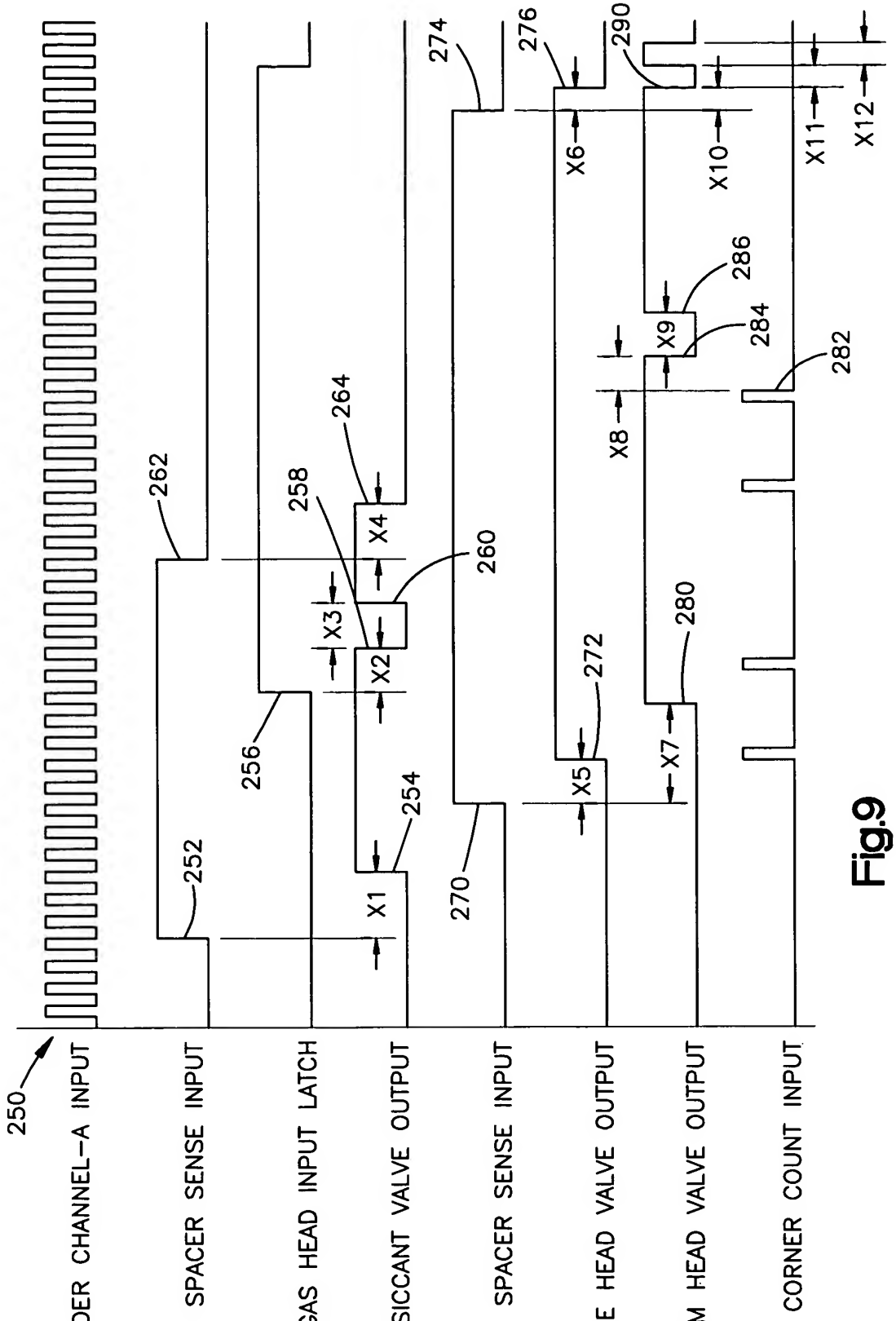
ETHERNET
GE 90/30 PLC
212
AIO
DIO
T/C
HSC
PRESSURE SENSORS
62,64,102,104
SOLID STATE RELAYS
HEATERS
TEMPERATURE SENSORS
SPACER DETECTION SENSORS
120,128
DISPENSE VALVE CONTROLS
AC VFD
224
CONVEYOR MOTOR
228
226
RS-485 (MODBUS RTU)
AC VFD
222
98
MATRIX GEAR PUMP MOTOR
AC VFD
220
56
SEALANT GEAR PUMP MOTOR
PC (HMI)
210
RS-232 (8 BIT ASCII)
SERVO DRIVE
230
CONVEYOR WIDTH MOTOR
232
USB
UPS
234


250
ENCODER CHANNEL-A INPUT
MATRIX SPACER SENSE INPUT
GAS HEAD INPUT LATCH
DESICCANT VALVE OUTPUT
SEALANT SPACER SENSE INPUT
SIDE HEAD VALVE OUTPUT
BOTTOM HEAD VALVE OUTPUT
CORNER COUNT INPUT
252
254
256
258
260
262
264
270
272
274
276
280
282
284
286
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X1
X2
X3
X4
X5
X6
X7
X8
X9
X10
X11
X12

Fig.9

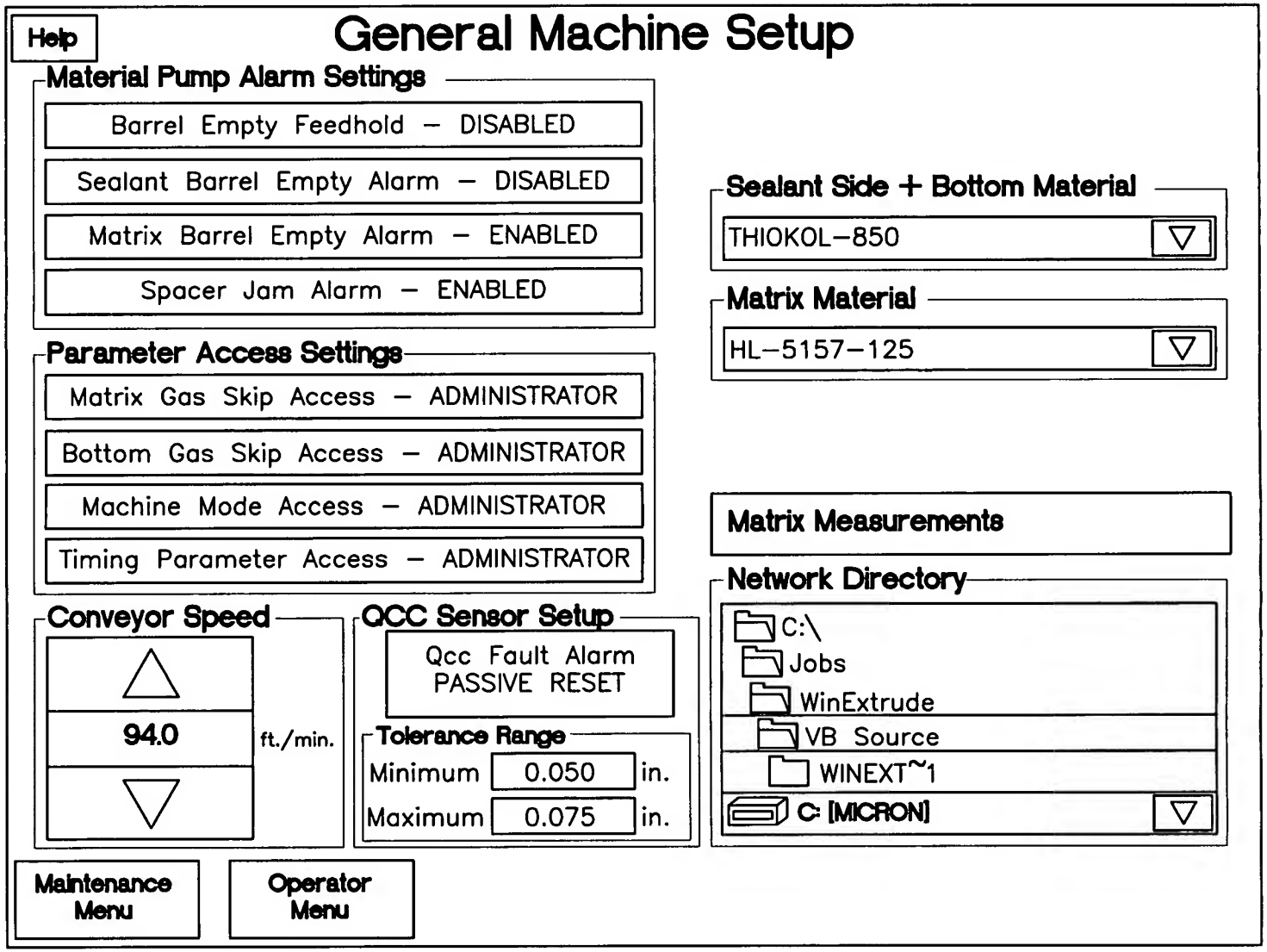

Fig.10

310

Replacement Sheet

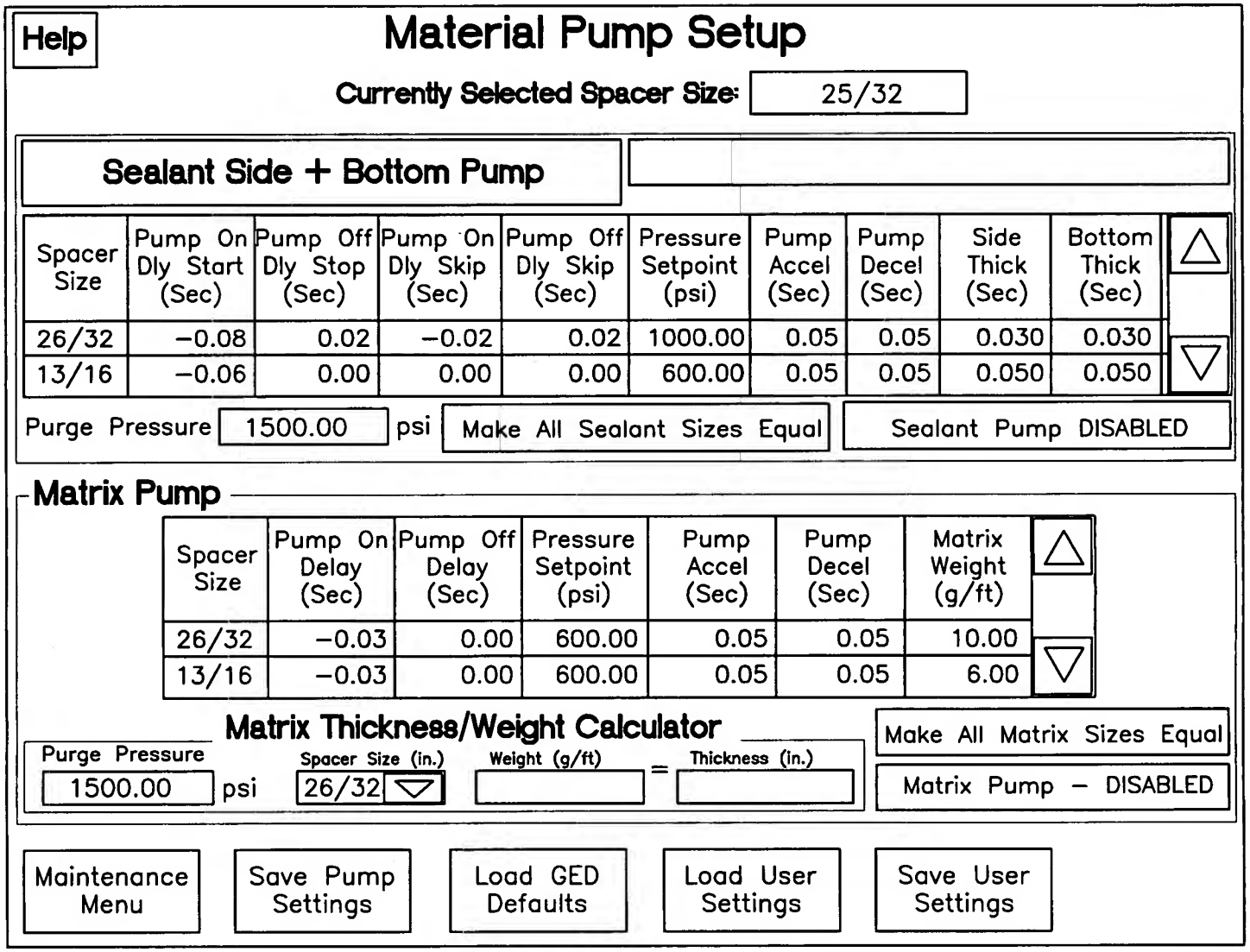

Fig.11

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Replacement Sheet